

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL TITLE V DRAFT PERMIT NO. V-06-026
E.I. DUPONT DE NEMOURS AND COMPANY
HC-66 400 HARRIS ROAD, WURLAND, KY 41144

NOVEMBER 29, 2006
CAROLINA ALONSO, REVIEWER
SOURCE I.D. #: 021-089-00001
SOURCE A.I. #: 1589
ACTIVITY #: APE20040001

SOURCE DESCRIPTION:

On February 4, 2004, the source has applied to the Division for the operation of a facility in Wurland, Kentucky for the manufacturing of sulfuric acid, acid oleum, sulfur trioxide (SO₃), chlorosulfonic acid (CSA), and SO₃/CSA blend.

Significant emission points include:

Sulfuric Acid Production Process (EP 01)
Oleum Storage and Barge Loading (EP 02)
Emergency Boiler (EP 03)
Chlorosulfonic Acid Reactor (EP 04)
Chlorosulfonic Acid Storage Tanks (EP 05 and EP 08)
Chlorosulfonic Acid Loading Facility (EP 06)
Sulfuric Acid Bulk Storage Tanks (EP 07)
CSA/SO₃ Blend Reactor (EP 09)
Blend Reactor Pipeline Equipment (EP 10)

The source is a major source, as defined by 401 KAR 52:020 Title V Permits, for the potential emissions of over 100 tons per year of sulfur dioxide (SO₂), and particulate matter less than 10 microns (PM₁₀). The source is also a major source as defined in 401 KAR 51:001 for Prevention of Significant Deterioration of the Air Quality (PSD), however permit V-06-026 is not subject to PSD review.

U.S. EPA REVIEW:

The U.S. EPA was notified of the issuance of the proposed permit on October 13, 2006 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.